

Roadside Restoration Worksheet

Project Level Estimate (check one)*:

Scoping Level Est: \$359,800.00

Updated Est:

(*Estimate must be updated if roadside impacts or assumptions change through project development)

State Route

520

Mile Posts

From 8.75

To

9.20

Program Type

II

P1,P2,P3,I1,I2,I3,I4

Project Name

148th Ave NE Interchange - Overlake Access Ramp

WIN

A52032G

Ad Date

Region

NWR

Roadside Character Classification

Forest	Open	Built	Scenic & Rec. Hwy.*
MP	MP	MP 8.75 to 9.20	MP

Circle or highlight Roadside Classification(s) per

[Roadside Policy Manual 2013](#)

and Scenic & Rec Hwy per

[Scenic and Recreational Highways](#)

List mileposts below each designation that occur in project (example MP 13.43 - 14.68).

If one classification occurs in multiple locations, list mileage only.

*Includes Forest Service and Parks land, Scenic Byways, state scenic highways, Wild and Scenic Rivers.

List assumptions:

Assumes no scenic or parks lands associated with the project.

Roadside Character Classification and/or Treatment Level Exception Requested

No

*Yes

Circle or highlight *a requested deviation (yes) requires State Design Engineer approval.

Brief description:

Roadsides will be restored in accordance with the Roadside Policy Manual for the character classification.

Description of disturbance expected to roadside, locations (cuts, fills, slope flattening, clearing and grubbing, utility installation) and area of impacts.

List assumptions:

Cuts & Fills to relocate the SR 520 Eastbound off ramp to Southbound 148th Ave and possible construction of temporary water treatment BMPs for additional pavement.

Roadside Restoration Treatment Elements and Strategies (see, Chapter 4, Roadside Restoration Toolkit, of the Roadside Policy Manual)

Describe how roadside restoration activities (modification of structures, landform, and vegetation) will support the roadside

character for the project area:

Trees should be preserved according to the Roadside Policy Manual (2013). Any trees removed must be replaced at a rate of 1 #1 container tree per 1" caliper of the tree removed. Estimate assumes approximately 190 street trees to be installed to replace trees along the new city street areas with topsoil, bark, watering; replacement of right of way trees at ratio as required by roadside policy - replanting 1,200 trees over 1.7 acres of trees at 8' o.c. spacing, 4" compost blanket, 4" bark rings, and seeding between; limited (0.1 acre) shrub areas where trees cannot be planted, with compost and mulch. Roundabout area includes topsoil, full planting / xeriscaping. Five years plant establishment for all areas.

Estimated Construction Cost of Restoration (not to include seeding)

Stream Buffer	Wetland Buffer	Wetland Mitigation	Roadside Restoration	Other:Roundabout, urban	Total Estimate
Acres:	Acres:	Acres:	Acres: 1.7	Acres: 0.6	not including mobilization, engineering, contingencies or tax
\$ per acre*:	\$ per acre*:	\$ per acre*:	\$ per acre*: \$110,000	\$ per acre*: \$288,000	
Estimate:	Estimate:	Estimate:	Estimate: \$187,000	Estimate: \$172,800	\$359,800.00

* Dollars per acre costing provided by Region Landscape Architect, does not include real estate costs, traffic control, excavation, or temporary erosion control.

The estimate includes planting for 1.7 acres of roadside, one roundabout, and approximately 125 street trees at 30' spacing, new roundabout, drainage features. Roadside planting assumes 4" soil amendment, planting #1 container plants at 8' o.c. spacing, 3" mulch, 5 years plant establishment to ensure full establishment of roundabout and urban vegetation and fully established roadside at urban interchange.

Prepared by:

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24-Feb-14

Hung Huynh

Name

Telephone number

date

PE Office

Reviewed by:**

Name

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date

NWR Landscape Architecture

**Requires Region LA concurrence or HQ Roadside & Site Development Section for regions without a landscape architect

Copy to Design Documentation

Date Sent to Program Management

4/1/2014